

ABBREVIATIONS

FY 2019-20 STANDARD PLANS

Abbreviation	Meaning
A	
AASHTO	American Association Of State Highway And Transportation Officials
AC	Alternating Current
Accel.	Acceleration
ACI	American Concrete Institute
ADA	Americans With Disabilities Act
ADT	Average Daily Traffic
AFAD	Automated Flagger Assistance Device
AISC	American Institute Of Steel Construction
AISI	American Iron and Steel Institute
Alt.	Alternate
Alum.	Aluminum
ANSI	American National Standards Institute
AOS	Apparent Opening Size
APL	Approved Products List
App.	Approach
Approx.	Approximate
ARTBA	American Road & Transportation Builders Association
Asph.	Asphalt
Assem.	Assembly
ASTM	American Society For Testing And Materials
ATPB	Asphalt Treated Permeable Base
Auxil.	Auxiliary
AWG	American Wire Gauge
AWS	American Welding Society
B	
Bot.	Bottom
Brkwy.	Breakaway
b/w	Between
C	
CC, C to C	Center to Center
C & G	Curb And Gutter
C.C.	Crash Cushion
CCTV	Closed-Circuit Television
CFR	Code of Federal Regulations
CFRP	Carbon Fiber Reinforced Polymer
cfs, CFS	Cubic Feet Per Second
CIP, C.I.P. or C-I-P	Cast In Place
CJP	Complete Joint Penetration
Ckt.	Circuit
☉	Center Line
Cl.	Clearance
CMP	Corrugated Metal Pipe
Con.	Connection
Conc.	Concrete
Const.	Construct or Construction
Cont.	Continuation or Continuous
Corr.	Corrugated
Cov.	Cover

Abbreviation	Meaning
C	
CP	Concrete Pipe
CSIP	Cost Savings Initiative Proposal
CSL	Cross-hole Sonic Logging
CTPB	Cement Treated Permeable Base
Ctr., Ctrs.	Center
Cu. Ft.	Cubic Feet
Cu. Yd., CY,	Cubic Yard
D	
D	Depth, Distance or Diameter
Dia. or Ø	Diameter
Dbl.	Double
Decel.	Deceleration
Deg.	Degree
Dim.	Dimension
Dist.	Distance
DMM	Domestic Mail Manual
DPI	Ditch Point Intersection
Dt	Ditch
DTOE	District Traffic Operations Engineer
E	
e	Superelevation Rate
E.P. or EOP	Edge Of Pavement
EA or Ea.	Each
EIA	Electronic Industries Alliance
El. or Elev.	Elevation
Embed.	Embedment
EPDM	Ethylene Propylene Diene Monomer
Eq.	Equation or Equal
Equip.	Equipment
etc.	Et Cetera (And So Forth)
ETP	Electronic Tough Pitch
Ex.	Example
Exist.	Existing
Exp.	Expansion
Ext.	Extension
F	
FAC	Florida Administrative Code
FC	Friction Course
Fdn.	Foundation
F.L. or \overline{f}	Flow Line
Fl.	Florida
FDEP	Florida Department Of Environmental Protection
FDOT	Florida Department Of Transportation
FHWA	Federal Highway Administration
FIB	Florida-I Beam
F.S.	Florida Statutes
FS	Far Side
Ft.	Foot or Feet
FTP	Florida Traffic Plans

Abbreviation	Meaning
G	
G	Shear Modulus
g	Gram
Ga.	Gauge or Gage
Galv.	Galvanized
GFI	Ground Fault Interrupter
GFRP	Glass Fiber Reinforced Polymer
Grd.	Ground
H	
Hd.	Head
H.S., HS	High Strength
HDPE	High Density Polyethylene
Horiz.	Horizontal
HP	Horsepower or H-Pile
HSHV	High Strength Horizontal Vertical
I	
ID, I.D.	Inside Diameter or Identification
in.	Inch(es)
Inc.	Incorporated
Int.	Interior
Inv.	Invert
ITS	Intelligent Transportation Systems
J	
JCT	Junction
Jt.	Joint
K	
k	kip
kip	1000 Pounds
ksi	Kips Per Square Inch
kVA	Kilovolt Ampere
L	
L	Length
LA	Limited Access
lb or lbs.	Pound(s)
lb/sy	Pounds Per Square Yard
lbf	Pound force
LBR	Lime rock Bearing Ratio
LF	Linear Foot (Feet)
Lgth.	Length
Long.	Longitudinally or Longitudinal
LRFD	Load Resistance Factor Design
LRS	Low-Relaxation Strand
LS	Lump Sum
LSD	Lump Sum per Day
Lt.	Left

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M	
<i>m</i>	Meter
<i>m²</i>	Meter Square
<i>Mach.</i>	Machine
<i>MAS</i>	Motorist Awareness System
<i>MASH</i>	Manual for Assessing Safety Hardware (AASHTO)
<i>Max.</i>	Maximum
<i>MES</i>	Mitered End Section
<i>M.H.</i>	Manhole or Mounting Height
<i>MHW</i>	Mean High Water
<i>Mid.</i>	Middle
<i>Mil or Mils</i>	One-Thousandth Of An Inch
<i>Min.</i>	Minimum or Minute
<i>Misc.</i>	Miscellaneous
<i>MLW</i>	Mean Low Water
<i>mm</i>	Millimeter
<i>Mod.</i>	Modification
<i>MOT</i>	Maintenance Of Traffic
<i>MPH or mph</i>	Miles Per Hour
<i>MUTCD</i>	Manual On Uniform Traffic Control Devices
N	
<i>N</i>	Standard Penetration Number
<i>NA or N/A</i>	Not Available or Not Applicable
<i>NC</i>	Normal Crown
<i>NCHRP</i>	National Cooperative Highway Research Program
<i>NDCBU</i>	Neighborhood Delivery And Collection Box Unit
<i>NEMA</i>	National Electrical Manufacturers Association
<i>NHW</i>	Normal High Water
<i>No.</i>	Number
<i>Nom.</i>	Nominal
<i>NPS</i>	Nominal Pipe Size
<i>NPT</i>	National Pipe Thread
<i>NS or N.S.</i>	Near Side
<i>NS</i>	Non-Structural
<i>NTS</i>	Not To Scale
O	
<i>O.C.</i>	On Center
<i>O to O or O.O.</i>	Out to Out
<i>O.B.G.</i>	Optional Base Group
<i>OD or O.D.</i>	Outside Diameter
<i>Oz.</i>	Ounce
P	
<i>Pavt.</i>	Pavement
<i>PBR</i>	Pedestrian/Bicycle Railing
<i>PC</i>	Point Of Curvature
<i>PCC</i>	Plain Cement Concrete
<i>pcf</i>	Pounds per Cubic Foot
<i>PCMS</i>	Portable Changeable Message Sign

Abbreviation	Meaning
P	
<i>P.E. or PE</i>	Professional Engineer
<i>Pen.</i>	Penetration
<i>PPB</i>	Pier Protection Barrier
<i>PPP</i>	Polypropylene pipe
<i>Prest.</i>	Prestressed
<i>PRS</i>	Portable Regulatory Sign
<i>psf</i>	Pounds Per Square Foot
<i>PSI or psi</i>	Pounds Per Square Inch
<i>PT</i>	Point of Tangency or Pressure Treated
<i>PTFE</i>	Polytetrafluoroethylene
<i>PVC</i>	Polyvinyl Chloride
Q	
<i>Q</i>	Flow Volume
<i>Qty.</i>	Quantity
R	
<i>R or Rad.</i>	Radius
<i>Rt.</i>	Right
<i>R/W</i>	Right Of Way
<i>RC</i>	Reverse Crown
<i>RCP</i>	Reinforced Concrete Pipe
<i>Rd.</i>	Road or Round
<i>Rdwy.</i>	Roadway
<i>Rect.</i>	Reticuline or Rectangular
<i>Ref.</i>	Reference
<i>Reinf.</i>	Reinforced or Reinforcement
<i>Req. or Reqd.</i>	Required
<i>RGS</i>	Rigid Galvanized Steel
<i>RPM</i>	Raised Pavement Markers
<i>R/R or RR</i>	Railroad
<i>RSDU</i>	Radar Speed Display Unit
<i>RU</i>	Rack Unit
<i>RX</i>	Receive
S	
<i>S or s</i>	Speed, Spacing or Second
<i>Sch.</i>	Schedule
<i>SHBR</i>	Special Height Bicycle Railing
<i>Shldr.</i>	Shoulder
<i>SHW</i>	Seasonal High Water
<i>SIP</i>	Stay In Place
<i>SP</i>	Superpave
<i>Spa., Spcg. or Sp.</i>	Space(ing)(s)
<i>Spec.</i>	Specification
<i>sq</i>	Square
<i>Sq. Ft., SF, sf or S.F.</i>	Square Foot
<i>sq. in.</i>	Square Inch
<i>Sq. Yd., SY or S.Y.</i>	Square Yard
<i>SR</i>	State Road
<i>SS</i>	Stainless Steel

Abbreviation	Meaning
S	
<i>St. or ST.</i>	Street
<i>Sta.</i>	Station
<i>Std.</i>	Standard
<i>Stg.</i>	Strong
<i>Stl.</i>	Steel
<i>SW</i>	Skewed Angle
<i>Swk.</i>	Sidewalk
<i>SYM</i>	Symmetrical
T	
<i>T or t</i>	Thickness, Tangent Distance or Time
<i>Tan</i>	Tangent
<i>T&G</i>	Tongue and Groove
<i>TCP</i>	Traffic Control Plan(s)
<i>TCZ</i>	Traffic Control Zone
<i>Temp.</i>	Temperature or Temporary
<i>Theo.</i>	Theoretical
<i>THW or THWN</i>	Insulation (Flame Retardant, Moisture And Heat Resistant Thermoplastic)
<i>TMA</i>	Truck/Trailer Mounted Attenuator
<i>TN</i>	Ton
<i>Trans.</i>	Transition or Transverse
<i>TTC</i>	Temporary Traffic Control
<i>TVSS</i>	Transient Voltage Surge Suppression
<i>TX</i>	Transmit
<i>Typ.</i>	Typical
U	
<i>UL</i>	Underwriters Laboratories
<i>UPS</i>	Uninterruptible Power Supply
<i>USPS</i>	United States Postal Service
<i>Util.</i>	Utilities
<i>UV</i>	Ultraviolet
V	
<i>Veh.</i>	Vehicle
<i>Vert.</i>	Vertical
<i>VPD or Vpd.</i>	Vehicles Per Day
W	
<i>W</i>	Width or Wide
<i>WT</i>	Weight
<i>WWF</i>	Welded Wire Fabric
<i>WWM</i>	Welded Wire Mesh
<i>WWR</i>	Welded Wire Reinforcing
Y	
<i>Yd.</i>	Yard
<i>Yr.</i>	Year